1.

SELECT PP.FirstName,PP.LastName, PH.PhoneNumber

FROM Person.Person PP JOIN Person.PersonPhone PH

ON PP.BusinessEntityID=PH.BusinessEntityID

WHERE PH.PhoneNumber LIKE '4%5'

2.

SELECT BusinessEntityID, BirthDate,

CASE WHEN BirthDate > '2001-01-01' AND BirthDate < '2004-01-01' THEN 'Adolescence'

WHEN BirthDate > '1962-01-01' AND BirthDate < '2000-01-01' THEN 'Adults'

ELSE'Senile'

END

FROM HumanResources.Employee

3. SELECT DISTINCT Name, Color

FROM Production.Product

WHERE StandardCost=(SELECT MAX(StandardCost) FROM Production.Product)

4. Hotel.

Анализ работы гостиницы. Кто является клиентами (GUEST), какие номера пользуются популярностью (TYPE\_ROOMS), и какие дополнительные услуги чаще всего заказывают в номер (SERVICES), сколько это приносит денег (COST\_ROOMS), форма оплаты (PAYMENT), какие скидки применяются (DISCOUNT), за кем из сотрудников закреплена уборка номера (EMPLOYEES)

1. GUEST

* IDGuest (PK, int, not null)
* FirstName (nvarchar(50) not null)
* LastName (nvarchar(50) not null)
* Email (nvarchar (100))
* PassportNumber (nvarchar (20) unique not null)
* StartDateofBooking (date not null)
* LastDateofBooking (date not null)
* IDRoom (FK, int, not null)
* IDTypeofRoom (FK, int, not null)

1. COST\_ROOMS

* IDRoom (PK, int, not null)
* IDTypeofRoom (FK, , int, not null)
* Price (money)

1. TYPE\_ROOMS

* IDTypeofRoom (PK, int, not null)
* IDEmployees (FK, int, not null)
* Category (nvarchar(50) not null)

1. EMPLOYEES

* IDEmployees (PK, int, not null)
* FirstName (nvarchar(50) not null)
* LastName (nvarchar(50) not null)
* Position (nvarchar(50) not null)

1. PAYMENT

* IDPayment (PK, int, not null)
* StatusOfPayment(nvarchar(50) not null)
* IDGuest (FK, int, not null)

1. SERVICES

* IDService (PK, int, not null)
* Name (nvarchar(50) not null)
* IDGuest (FK, int, not null)

1. DISCOUNT

* IDDiscount (PK, int, not null)
* Size (nvarchar(50) not null)
* IDGuest (FK, int, not null)